

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
D51.13-0001

Box No. I TITLE OF INVENTION	
AC TO DC POWER CONVERTER	
Box No. II APPLICANT <input checked="" type="checkbox"/> This person is also inventor.	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) DE LA CRUZ, Moises 7895 South 68th Street Court Cottage Grove, Minnesota 55016 United States of America	Telephone No. (651)4595443
	Facsimile No.
	Teleprinter No.
	Applicant's registration No. with the Office
State (that is, country) of nationality: US	State (that is, country) of residence: US
This person is applicant <input checked="" type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTORS	
Name and Address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	This person is:
	<input type="checkbox"/> applicant only
	<input type="checkbox"/> applicant and inventor
	<input type="checkbox"/> inventor only
State (that is, country) of nationality:	State (that is, country) of residence:
This person is applicant <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
<input type="checkbox"/> Further applicants and/or (further) inventors are indicated on a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the <input checked="" type="checkbox"/> agent <input type="checkbox"/> common representative competent International Authorities as:	
Name and Address: BOHN, David C WESTMAN, CHAMPLIN & KELLY, P.A. Suite 1600 - International Centre 900 Second Avenue South Minneapolis, Minnesota 55402-3319 United States of America	Telephone No. (612) 334-3222
	Facsimile No. (612) 334-3312
	Teleprinter No.
	Agent's registration No. with the Office 32,015
<input type="checkbox"/> Address correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.	

Supplemental Box

Use this box in the following cases:

1. If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No. ..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:

- (i) if more than two persons are involved as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. the country of the address indicated in this Box is the applicant's State (that is, country) of resident if no State of resident is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI;

2. If, with regard to the precautionary designation statement contained in Box No. V, the applicant wish to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

CONTINUATION OF BOX NO. IV.

WESTMAN, Nickolas E.

CHAMPLIN, Judson K.

KELLY, Joseph R.

KOEHLER, Steven M.

BRUSH, David D.

VELDHUIS-KROEZE, John D.

SAWICKI, Z. Peter

MAGEE, Theodore M.

KVALE, Deirdre M.

KAUL, Brian D.

CHRISTENSON, Christopher R.

REGO, Alan G.

FRONEK, Todd R.

ERICKSON, Bryan F.

TAVEGGIA, Leanne R.

IMS, Peter J.

RAU, Nathan M.

HOLT, Christopher L.

Jl, Linda R.

ALL ABOVE ATTORNEYS ARE MEMBERS OF THE FIRM OF

WESTMAN, CHAMPLIN & KELLY, P.A.

Suite 1600, International Centre

900 Second Avenue South

Minneapolis, Minnesota 55402-3319, USA

Telephone: 612/334-3222 Facsimile: 612/334-3312

Box No. V DESIGNATIONS

The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents. However,

- ☐ DE Germany is not designated for any kind of national protection
- ☐ KR Republic of Korea is not designated for any kind of national protection
- ☐ RU Russian Federation is not designated for any kind of national protection

The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States.)

Box No. VI PRIORITY CLAIM

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application day/month/year	Number of earlier application	Where earlier application is:		
		national application: Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 10 December 2003 (10.12.2003)	60/528,572	US		
item (2) 22 December 2003 (22.12.2003)	60/532,207	US		
item (3) 2 July 2004 (02.07.2004)	60/585,447	US		

☐ Further priority claims are indicated in the Supplemental Box

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as:

☐ all items ☒ item (1) ☒ item (2) ☒ item (3) ☐ other, see Supplemental Box

*Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)).

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (If two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA/ US

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority): Date (date/month/year) Number Country (or regional Office)

Box No. VIII DECLARATIONS

The following declarations are contained in Boxes Nos. VIII(i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

Number of
Declarations

- | | | | |
|-------------------------------------|--------------------|--|--|
| <input type="checkbox"/> | Box No. VIII (i) | Declaration as to the identity of the inventor | |
| <input type="checkbox"/> | Box No. VIII (ii) | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent | |
| <input type="checkbox"/> | Box No. VIII (iii) | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | |
| <input checked="" type="checkbox"/> | Box No. VIII (iv) | Declaration of inventorship (only for the purposes of the designation of the United States of America) | |
| <input type="checkbox"/> | Box No. VIII (v) | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty | |

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)
The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

**Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))
for the purposes of the designation of the United States of America:**

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/..... (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior Applications: U.S. Applications: 60/528,572 filed on December 10, 2003;
60/532,207 filed on December 22, 2003; 60/585,447 filed on July 2, 2004

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Moises DeLaCruz

Residence: Cottage Grove, Minnesota

(city and either US state, if applicable, or country)

Mailing Address: 7895 South 68th Street Court

Cottage Grove, Minnesota 55016

Citizenship: US

Inventor's Signature: *Moises DeLaCruz*
(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: Dec. 3, 2004
(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

Name:

Residence:
(city and either US state, if applicable, or country)

Mailing Address:

Citizenship:

Inventor's Signature:
(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date:
(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

☐ This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

Box No. IX CHECK LIST; LANGUAGE OF FILING

This international application contains:		This international application is accompanied by the following item(s) (<i>mark the applicable check-boxes below and indicate in right column the number of each item</i>):	Number of items
(a) in paper form, the following number of sheets:		1. <input checked="" type="checkbox"/> fee calculation sheet	1
request (including declaration sheets)	5	2. <input type="checkbox"/> original separate power of attorney	
description (excluding sequence listing and/or tables related thereto)	18	3. <input type="checkbox"/> original general power of attorney:	
claims	4	4. <input type="checkbox"/> copy of general power of attorney; reference number if any:	
abstract	1	5. <input type="checkbox"/> statement explaining lack of signature	
drawings	8	6. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s):	
Sub-total number of sheets sequence listing	36	7. <input type="checkbox"/> translation of international application into (language):	
tables related thereto (for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below)		8. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material	
Total Number of sheets	36	9. <input type="checkbox"/> sequence listing in computer readable form (indicate also type and number of carriers (diskette, CD-ROM, CD-R or other))	
(b) <input type="checkbox"/> only computer readable form (Section 801(a)(i))		(i) <input type="checkbox"/> copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)	
(i) <input type="checkbox"/> sequence listing		(ii) <input type="checkbox"/> (only where check-box (b)(i) or (b)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	
(ii) <input type="checkbox"/> tables related thereto		(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the sequence listing part mentioned in left column	
(c) <input type="checkbox"/> also in computer readable form (Section 801(a)(ii))		10. <input type="checkbox"/> tables in computer readable form related to sequence listing (indicate type and number of carriers)	
(i) <input type="checkbox"/> sequence listing		(i) <input type="checkbox"/> copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)	
(ii) <input type="checkbox"/> tables related thereto		(ii) <input type="checkbox"/> (only where check-box (b)(i) or (b)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the		(iii) <input type="checkbox"/> together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column	
<input type="checkbox"/> sequence listing		11. <input type="checkbox"/> other (specify):	
<input type="checkbox"/> tables related thereto			
(additional copies to be indicated under item 9(ii), and/or 10(ii) in right column):			
Figure of the drawings which should accompany the abstract: <u>2</u>		Language of filing of the international application: English	

Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).


David C. Bohn, Agent of Record**For receiving Office use only**

1. Date of actual receipt of purported international application:	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): <u>ISA/</u>	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid

For International Bureau use only

Date of receipt of the record copy by the International Bureau: